

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. BOX 1450 Alexandria, Virginia 22313-1450

DATE MAILED: 08/01/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,595	04/25/2001	Koichi Motoike	206569US2	4759
22850	7590 08/01/2003			
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			EXAMINER	
1940 DUKE S ALEXANDRI	TREET A, VA 22314		WELLS, KENNETH B	
		•	ART UNIT	PAPER NUMBER
			2816	

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)						
,	09/841,595	MOTOIKE, KOICHI	11					
Office Action Summary	Examiner	Art Unit						
	Kenneth B. Wells	2816						
The MAILING DATE of this communication app	ears on the cover sheet	with the correspondence addre	ss					
Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may within the statutory minimum of ill apply and will expire SIX (6) M cause the application to become	a reply be timely filed thirty (30) days will be considered timely. ONTHS from the mailing date of this commit ABANDONED (35 U.S.C. § 133).	unication.					
1)⊠ Responsive to communication(s) filed on <u>09 J</u>	lune 2003							
· _ · · · _ · · · · · · · · · · · · · ·	is action is non-final.							
3)☐ Since this application is in condition for allowa		natters prosecution as to the m	, norite ie					
closed in accordance with the practice under			icilio io					
Disposition of Claims								
4) Claim(s) <u>1-20</u> is/are pending in the application			c					
	4a) Of the above claim(s) is/are withdrawn from consideration.							
7) Claim(s) <u>2,3,5-10,12,13 and 15-19</u> is/are object								
8) ☐ Claim(s) are subject to restriction and/or Application Papers	r election requirement.							
9) The specification is objected to by the Examiner	•							
10) The drawing(s) filed on is/are: a) accep		v the Examiner						
Applicant may not request that any objection to the								
11)☐ The proposed drawing correction filed on								
If approved, corrected drawings are required in rep								
12)☐ The oath or declaration is objected to by the Exa	aminer.							
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C	C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents	s have been received.							
2. Certified copies of the priority documents	s have been received in	Application No						
 Copies of the certified copies of the prior application from the International Bur See the attached detailed Office action for a list of the certified copies of the prior application. 	eau (PCT Rule 17.2(a)).	ge					
14) ☐ Acknowledgment is made of a claim for domestic	priority under 35 U.S.0	C. § 119(e) (to a provisional ap	plication).					
a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesti								
Attachment(s)	-							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-15						
S. Patent and Trademark Office								

Application/Control Number: 09/841,595

Art Unit: 2816

- 1. The amendment filed on 6/9/03 has been received and entered in the case.
- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claim 3 is objected to because of the following informalities: "a second capacitor element" lacks antecedent basis, because claim 1 does not recite any "first capacitor." Appropriate correction is required.
- 4. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Mohwinkel.

Note Fig. 11, where the FET is element 202 and the inductor is element 208. The recitation on the last five lines of claim 1 is deemed to be inherent.

5. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Dougherty.

Note Fig. 2, where the FET is element 42 and the inductor is element 44. The recitation on the last five lines of claim 1 is

Application/Control Number: 09/841,595 Page 3

Art Unit: 2816

deemed to be inherent. Note also column 3, lines 15-30 which discuss that the inductor value is set in accordance with the input signal.

6. Claims 1, 4, 14 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Cazaux.

Note Fig. 2, where the FET is element T1 and the inductor is element L1. The recitation on the last five lines of claim 1 is deemed to be inherent. The control circuit is the combination of terminal Vd1, capacitor C3 and inductor L2.

7. Claims 1 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Presser.

Note Fig. 4, where the FET is element 22 and the inductor is element 74 or 76. The recitation on the last five lines of claims 1 and 11 are deemed to be inherent. The capacitor of claim 11 is element 52.

8. Claims 1, 4, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Suematsu et al.

Note Fig. 10, where the FET is element 32 and the inductor is element 65. The recitation on the last five lines of claims 1

Application/Control Number: 09/841,595 Page 4

Art Unit: 2816

and 11 are deemed to be inherent. The capacitor of claim 11 is element 66. The control circuit is all of the circuitry in Fig. 10 connected to the drain of FET 32.

9. Claims 1, 4, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Staudinger et al.

Note Fig. 2, where the FET is element 38 and the inductor is element 50. The recitation on the last five lines of claims 1 and 11 are deemed to be inherent. The capacitor of claim 11 is element 52. The control circuit is all of the circuitry in Fig. 2 connected to the drain of FET 38.

- 10. Claims 2, 3, 5-10, 12, 13 and 15-26, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth B. Wells whose telephone number is 703-308-4809. The examiner can

Application/Control Number: 09/841,595 Page 5

Art Unit: 2816

normally be reached on Monday through Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan, can be reached at 703-308-4876. The fax phone numbers for TC2800 are 703-872-9318 (before final) and 703-872-9319 (after final).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is 703-308-0956.

Kenneth B. Wells Primary Examiner Art Unit 2816

July 28, 2003